

# Process for generating a reference relationship information from a digital document to geometry data

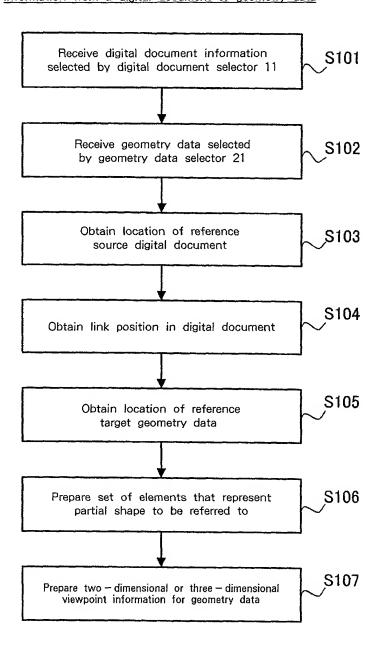


Fig. 2

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#### <u>Process for generating a reference relationship</u> information from geometry data to a digital document

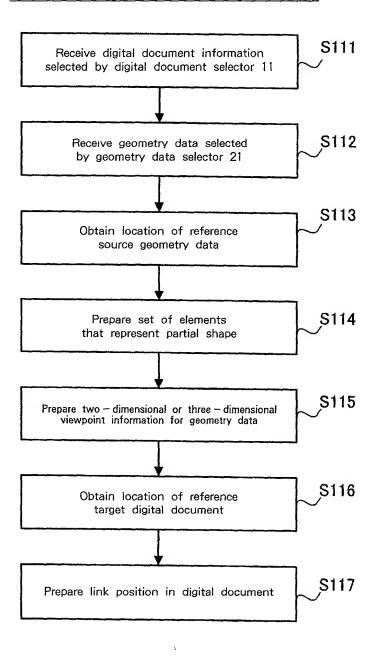
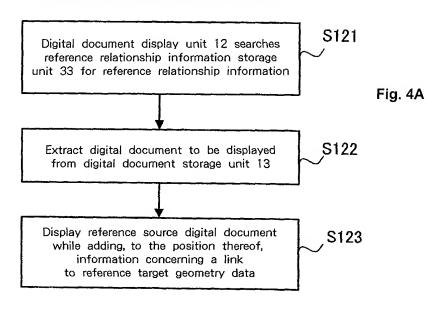
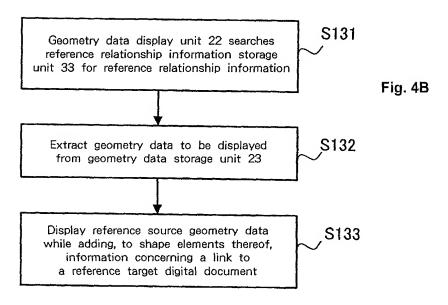


Fig. 3

#### (a) Process for displaying digital document

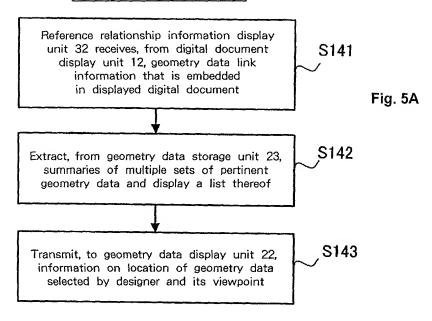


#### (b) Process for displaying geometry data

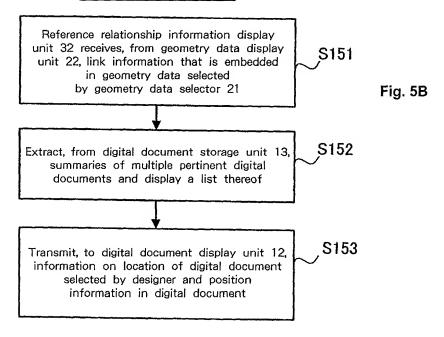


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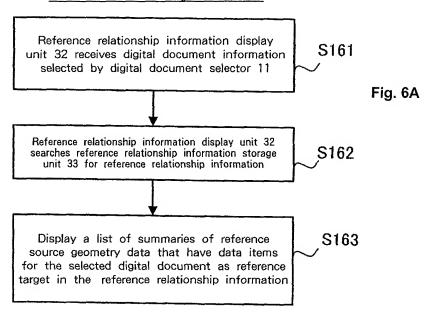
## (a) Process for displaying geometry data that digital document refers to



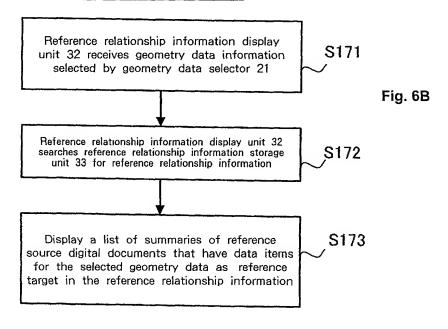
## (b) Process for displaying digital document that geometry data refer to



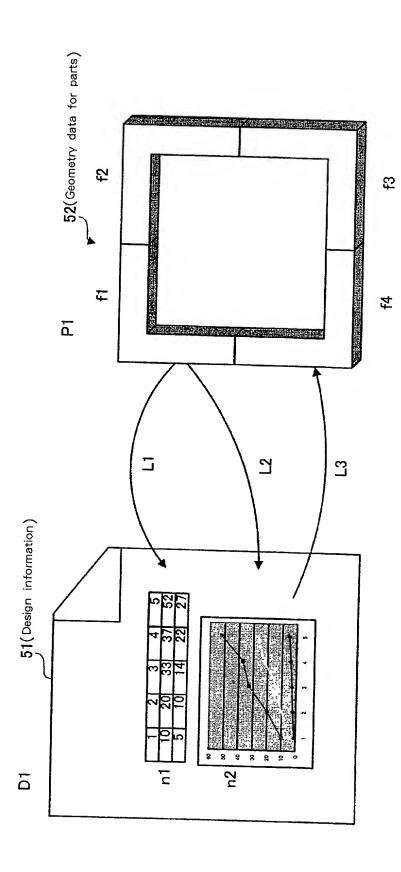
# (a) Process for displaying geometry data that refer to a digital document



# (b) Process for displaying a digital document that refers to geometry data



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(a) Reference relationship information in geometry data that refers to a digital document

Reference source geometry data	Reference source geometrical element	Reference source viewpoint information	Reference target digital document	Reference target position	Creation date	Creator	Reference frequency
P1	£1}	((100,100 ,100),(0,0 ,0),100)	D1	Lu Tu	99/08/20	A. 0.	_
P1	[t1]	((100,100 ,100),(0,0 ,0),100)	D1	n2	99/08/21	۲. 0.	

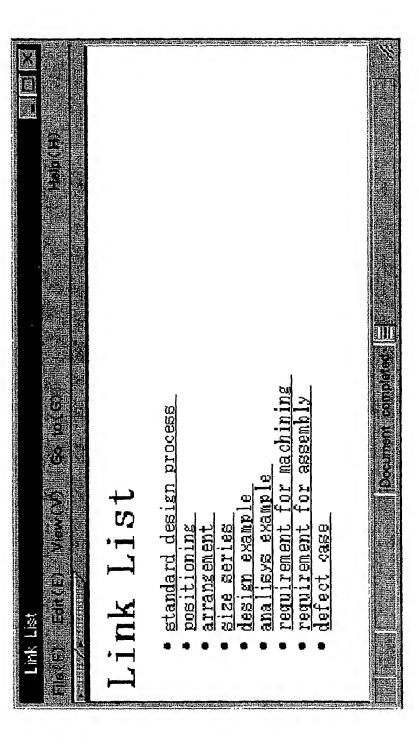
Fig. 8A

(b) Reference relationship information in a digital document that refers to geometry data

r	<del></del>
Reference	-
Creator	A. O.
Creation date	99/08/20
Reference target viewpoint information	((100,100 ,100),(0,0 ,0),100)
Reference target geometrical element	[f4]
Reference target geometry data	P1
Reference source position	n2
Reference source digital document	D1

Fig. 8B

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# Gate

# The size and shape of a gate

cut out, a gate need only be formed on the model side, and may be cut at the thin and because of the finishing process performed for the gate. However, if the gate is too small, extra pressure is required, and a filling shortage may occur. Thus, as 1 to 2. In order to prevent a model from being chipped off while a gate is being The size of a gate is determined depending on the material that is used or the size well as the runner, a gate when processed must have a comparatively small size but frequently employed for a standard gate. The width of the gate should be twice or more the depth, and the length of the gate (called a land) should be approximately of a model, but like runners, it tends to be determined empirically. Generally speaking, a gate should be as small as possible because of the hardening that is promoted due to a rise in temperature that is caused by friction resistance during injection. may be expanded to an appropriate size. Generally, a depth of 0.5 to 1 is most portion thereof that is furthest from the model.

